

Work Order ID 134693

Wednesday, July 15, 2015 11:33:33 AM

134693

PRELIMINARY ISSUE Page 1

Item ID: D119-756-111

Accept

N900040100

Setup Start

NS1

Revision ID: PRELIM

Item Name: Clamp Installation

POSITIVE
RECALL

9-89
1507-21

Stop

NS2

Start Date: 7/15/15 Start Qty: 1.00

1

Cust Item ID:

Required Date: 7/16/15 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date:

15-7-15

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9729	PA1 <i>Rev A</i>								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D119-756-111		CHG001						
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MLG JUL 16 2015

JUL 16 2015

9-89

① ~~1507-16~~

DAS
9
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QS1042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

Work Order ID 134693***134693***

Page 2

Wednesday, July 15, 2015 11:33:33 AM

Item ID: D119-756-111 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: PRELIM Stop ***NS2***
Item Name: Clamp Installation
Start Date: 7/15/15 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 7/16/15 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00			DAS 6 9-89				
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D119-756-111 Location :								
									JUL 16 2015
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									15/7/21 DJ

POSITIVE RECALL
EFFECTIVE 15-7-15
RELEASED 9-89 DATE 15-07-21
MCS JUL 16 2015
LOW A

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Root Cause		FAULT CATEGORY																			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐																
OTHER : _____																					

Picklist Print

Wednesday, July 15, 2015 11:33:40 AM

Page 1

Work Order ID: 134693

134693

Parent Item: D119-756-111

D119-756-111

Parent Item Name: Clamp Installation

Start Date: 7/15/15

Required Date: 7/16/15

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 15-07-14 JLM VERIFIED BY:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2732-032		Manufactured	No				Each	19.0000		4			DAS 9-89
D2732-032									**	107346			
Rubber Cushion - 3.2"													
	DAS 9 9-89												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST410				19					
					117106			19					
D5283-7		Manufactured	No				Each	0.0000		(1)			DAS 9-89
D5283-7									**	134187			
Clamp													
D5283-11		Manufactured	No				Each	0.0000		(1)			DAS 9-89
D5283-11									**	134188			
Clamp													
D5283-041		Manufactured	No				Each	0.0000		(1)			DAS 9-89
D5283-041									**	134652			
Basket Clamp Assembly													
D5283-043		Manufactured	No				Each	0.0000		(1)			DAS 9-89
D5283-043									**	134666			
Basket Clamp Assembly													
AN4-16A		Purchased	No				Each	186.0000		2			
AN4-16A									**				
Bolt													
	DAS 9 9-89												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				FG				5					
					121541			5					
				ST325A				181					
				M132317				181					

JUL 16 2015

D5287-1 DAS 9 9-89

X2 = B: 134664

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition			Completed By																		
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Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	OTHER : ☐																			

Picklist Print

Wednesday, July 15, 2015 11:33:40 AM

Work Order ID: 134693

134693

Parent Item: D119-756-111

D119-756-111

Parent Item Name: Clamp Installation

Start Date: 7/15/15

Required Date: 7/16/15

Start Qty: 1.00

Required Qty: 1.00

AN4-22A Purchased No

AN4-22A

Bolt DAS
9
9-89

DAS
6
9-89

Location	Loc Qty	Loc Code
GA	50	
116419	50	
ST342	154	
123348	100	
m128403	54	

NAS1149D0763J Purchased No

NAS1149D0763J

WASHER 4639 15.07.16
MS21042L4 9-89 Purchased No

2
14
132035

MS21042L4

Locknut DAS
9
9-89

Location	Loc Qty	Loc Code
FP001	2	
m124231	2	
GA	150	
m127813	150	
ST260a	3565	
m129472	8	
m130799	56	
m131803	6	
m132262	495	
m132382	3000	
ST305	188	
m128300	16	
m130388	7	
m130922	97	
m131618	12	
m132123	56	

JUL 16 2015 DAS
6
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-756 Rev F/IIN-D119-756-EASA Rev A and
INSTRUCTION FOR CONTINUED AIRWORTHINESS ICA-D119-756 Rev 3/ICA-D119-756-EASA Rev 0

REF TCCA STC: SH06-39

FAA STC: SR02364NY

EASA STC: 10016908

PRELIMINARY ISSUE

PURPOSE

The purpose of this Service Instruction is to introduce the D119-756-111 Clamp Kit, which allows the installation of the D119-756-041 Heli-Utility-Basket on AW119 MKII aircraft fitted with Dart D119-796-XXX Crosstubes. The D119-756-111 Clamp Kit can be procured from Dart Aerospace. One Kit installs one basket.

This DSI also introduces the DSI 9729-011 Clevis Kit which improves the installation of the D119-756-041 Heli-Utility-Basket on AW119 aircraft fitted with Dart D119-646-XXX Skidtubes. The DSI 9729-011 Clevis Kit can be procured from Dart Aerospace. One Kit installs one basket.

CHANGE

The D119-756-011 Clamp Kit is replaced with the D119-756-111 Clamp Kit (D5283-041/-7/-043/-11 Clamps). The modified parts list for Installation Instructions IIN-D119-756 and Instructions for Continued Airworthiness ICA-D119-756 are shown on sheet 4 of this service instruction. Install the Clamp Kit as shown in Figures 1, 2 and 3 of this service instruction.

The DSI 9729-011 Clevis Kit replaces the D3516-11 Clevis and D3520-3 Spacer mounted on Dart Skidtube saddles. The modified parts list for Installation Instructions IIN-D119-756 and Instructions for Continued Airworthiness ICA-D119-756 are shown on sheet 4 of this service instruction. Install the Clevis Kit as shown in Figure 1 of this service instruction.

5.0 WEIGHT AND BALANCE (IIN-D119-756 Rev F/IIN-D119-756-EASA Rev A)

25.4 WEIGHT AND BALANCE (ICA-D119-756 Rev 3/ICA-D119-756-EASA Rev 0)

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D119-756-111 CLAMP KIT	1.3 lb 0.6 kg	±24.5 in ±0.62 m	33.2 lb-in 0.37 kg-m	120.0 in 3.05 m	156 lb-in 1.83 kg-m
DSI 9729-011 CLEVIS KIT	DOES NOT AFFECT WEIGHT AND BALANCE				

INSTALLATION: D119-756-111 Clamp Kit

- The D119-756-041 Heli-Utility-Basket may only be installed on the RH side of the AW119 MKII aircraft
- Remove the bottom MS21250-05048 bolt, NAS1149C0532R (2) washers, D3672-7 (2) phenolic washers and MS21043-5 nut on each saddle. Discard one NAS1149C0532R washer. Install qty (2) D5287-1 Clevis using the retained fasteners as per Figure 1. Assemble with the D3672-7 phenolic washer between the Clevis and the Saddle.
- Loosely install the D5283-041/D5283-7 Clamp on the Aft Crosstube and the D5283-043/D5283-11 Clamp on the Fwd Crosstube using the supplied hardware. D2732-032 Rubber Cushions must be installed under each side of the clamps.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: _____
D. SHEPHERD (DE # 02)

DATE: 15.07.02
CERT. NO.: SH06-39
ISSUE NO.: 2

A	NEW ISSUE		DB	15.07.02
REV.	DESCRIPTION		BY	DATE
DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN	DB			
CHECKED		DRAWING NO.	REV. PA1	
MFG. APPR.		DSI 9729	SHEET 1 OF 4	
APPROVED		TITLE	AW119 MKII BASKET	
DE APPR.		COMPATIBILITY	SCALE NTS	
DATE	15.07.02		COPYRIGHT © 2015 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT	

4. Install a D3518-041 Strut Assembly to each of the D5283-041 and -043 Clamps as show in Figure 2.
NOTE: The AFT clevises on the bottom of the basket have been oversized to accomodate variations between landing gear. Use NAS1149D0463J Washers as spacers to fill the space as shown in Figure 1. Mount qty (2) D3517-1 Struts to the basket as shown in Figure 1.
5. Mount the D3517-1 Struts assembled on the basket to the D5287-1 Clevis mounted on the Skidtube saddles and secure using AN4-12A Bolts, NAS1149D0463 Washers (2) and MS21042L4 Nuts.
6. Pivot the Basket upwards and attach it to the qty (2) D3518-041 Strut Assemblies using AN4-15A Bolts, NAS1149D0463J Washers (2) and MS21042L4 Nuts for each Strut. See Figures 2 and 3.
7. Torque nuts on all AN4 Bolts to 50-70 in-lbs (5.5-8.0 Nm). CAUTION-Over-torquing could lead to damage of the clamps.

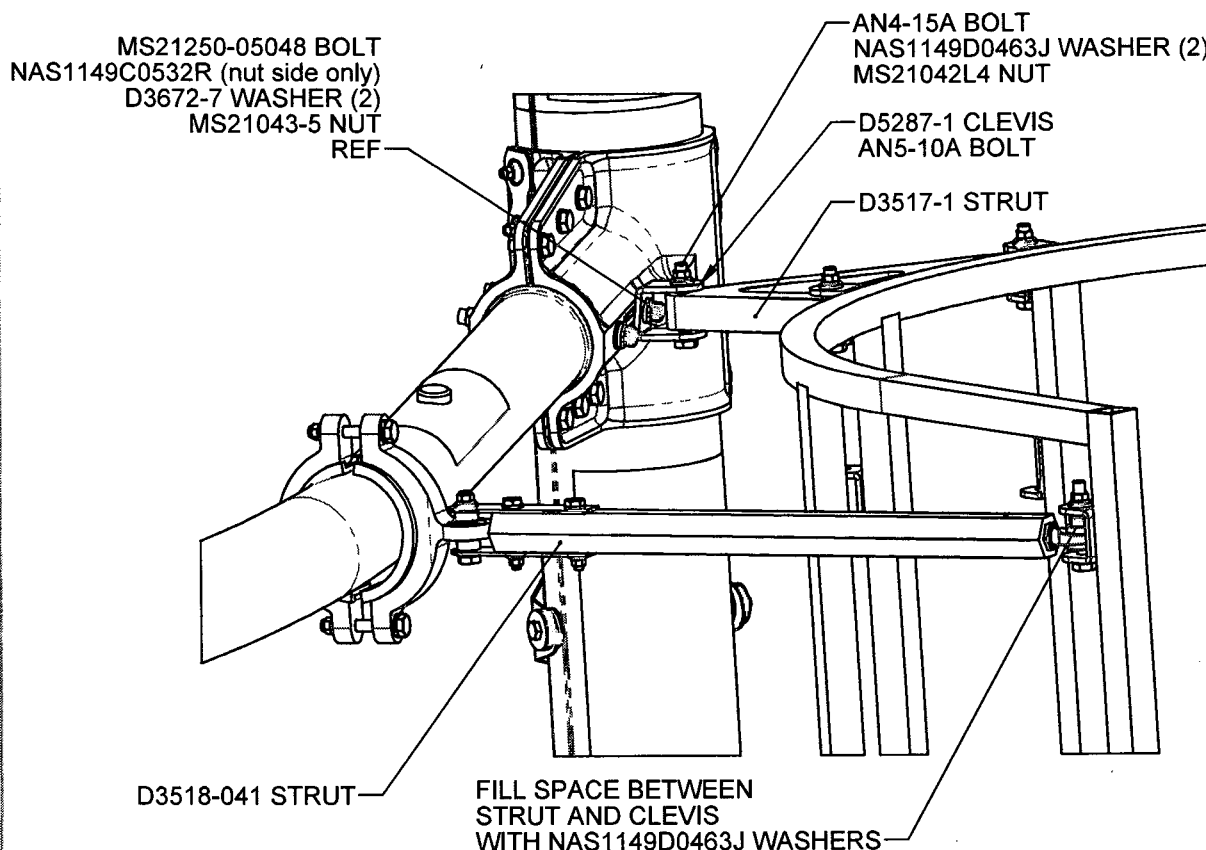


FIGURE 1: CLEVIS/STRUT INSTALLATION
(BASKET FEATURES REMOVED FOR CLARITY)

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: _____
D. SHEPHERD (DE # 02)

DATE: 15.07.02
CERT. NO.: SH06-39
ISSUE NO.: 2

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		DSI 9729	SHEET 2 OF 4
APPROVED		TITLE	AW119 MKII BASKET
DE APPR.		COMPATIBILITY	SCALE
DATE	15.07.02		NTS
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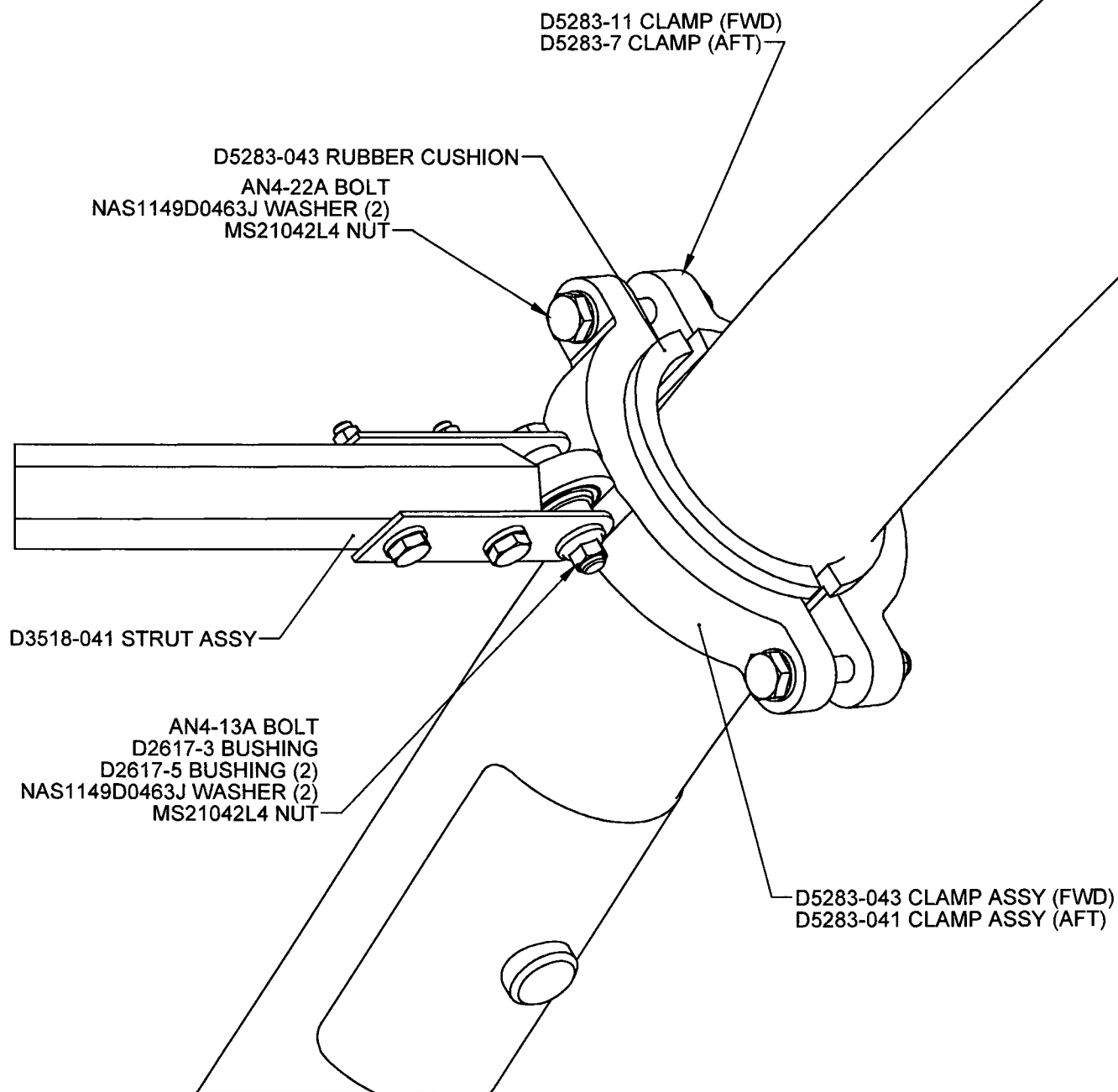


FIGURE 2: CLAMP INSTALLATION

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: _____
D. SHEPHERD (DE # 02)

DATE: 15.07.02
CERT. NO.: SH06-39
ISSUE NO.: 2

DESIGN	DB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	DB		
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DE APPR.		AW119 MKII BASKET COMPATIBILITY	NTS
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	A	B
AW119 MKII FWD	12.0-14.0	21.0
AW119 MKII AFT	12.5-14.5	21.0

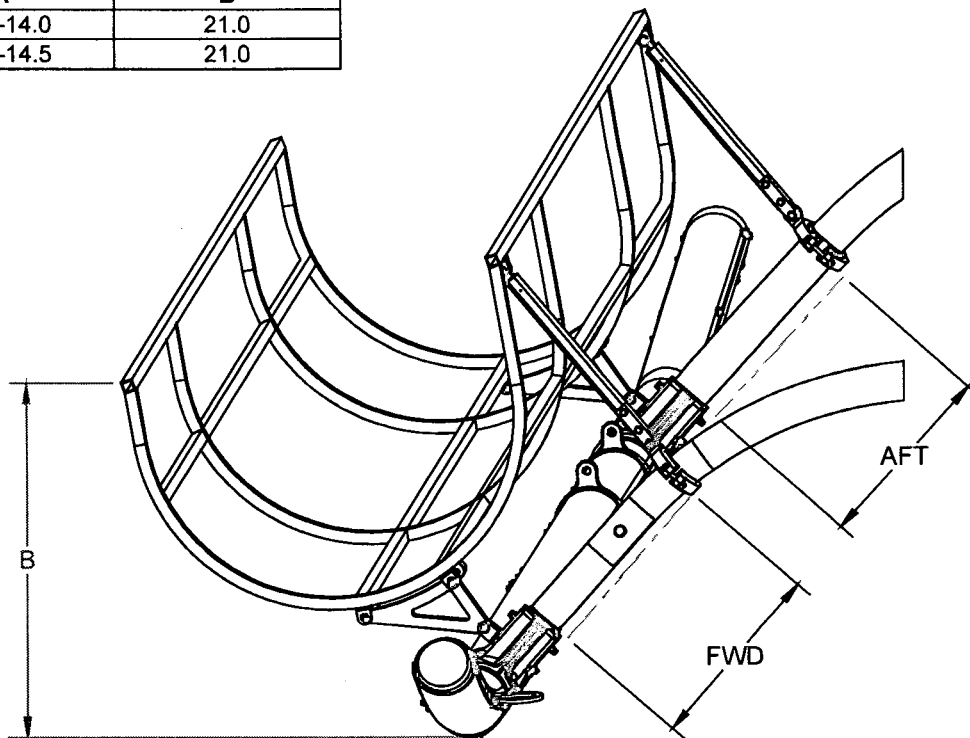


FIGURE 3: INSTALLATION HEIGHTS
(BASKET FEATURES REMOVED FOR CLARITY)

PARTS LIST:

QTY -111	PART NUMBER	DESCRIPTION
X	D119-756-111	CLAMP KIT
(4)	D2732-032	RUBBER CUSHION
(1)	D5283-11	CLAMP
(1)	D5283-11	CLAMP
(1)	D5283-041	CLAMP ASSY
(1)	D5283-043	CLAMP ASSY
(2)	AN4-16A	BOLT
(2)	AN4-22A	BOLT
8	AN960JD416	WASHER
4	MS21042L4	NUT

QTY- 011	PART NUMBER	DESCRIPTION
X	DSI 9729-011	CLEVIS KIT
(2)	D5287-1	CLEVIS

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-756 Rev F/IIN-D119-756-EASA Rev A and
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-756 Rev 3/ICA-D119-756-EASA Rev 0

REF TCCA STC: SH06-39

FAA STC: SR02364NY

EASA STC: 10016908

1.0 PURPOSE

The purpose of this Service Instruction is to introduce the D119-756-111 Clamp Kit, which allows the installation of the D119-756-041 Heli-Utility-Basket on AW119 MKII aircraft fitted with Dart D119-796-XXX Crosstubes. The D119-756-111 Clamp Kit can be procured from Dart Aerospace. One Kit installs one basket.

This DSI also introduces the DSI 9729-011 Clevis Kit which improves the installation of the D119-756-041 Heli-Utility-Basket on AW119 aircraft fitted with Dart D119-646-XXX Skidtubes. The DSI 9729-011 Clevis Kit can be procured from Dart Aerospace. One Kit installs one basket.

2.0 CHANGE

The D119-756-011 Clamp Kit is replaced with the D119-756-111 Clamp Kit (D5283-041/-7/-043/-11 Clamps). The parts list for the D119-756-111 Clamp Kit is shown on sheet 4 of this service instruction. Install the Clamp Kit as shown in Figures 1 and 2 of this service instruction. These parts have been added to D119-756-041 Baskets @ CHG 005 and later.

The DSI 9729-011 Clevis Kit replaces the D3516-11 Clevis and D3520-3 Spacer mounted on Dart Skidtube saddles. The parts list for the DSI 9729-011 Clevis Kit is shown on sheet 4 of this service instruction. Install the Clevis Kit as shown in Figure 1 of this service instruction.

3.0 WEIGHT AND BALANCE

INSTALLATION	WEIGHT	LATERAL		LONGITUDINAL	
		ARM	MOMENT	ARM	MOMENT
D119-756-111 CLAMP KIT	1.3 lb 0.6 kg	24.5 in 0.62 m	33.2 lb-in 0.37 kg-m	120.0 in 3.05 m	156 lb-in 1.83 kg-m
DSI 9729-011 CLEVIS KIT	DOES NOT AFFECT WEIGHT AND BALANCE				

4.0 INSTALLATION: D119-756-111 CLAMP KIT

- 4.1 The D119-756-041 Heli-Utility-Basket may only be installed on the RH side of the AW119 MKII aircraft
- 4.2 If the D119-756-041 Heli-Utility-Basket is being installed with Dart skidtubes, install D5287-1 Clevises per Section 5.0 of this service instruction.
- 4.3 Loosely install the D5283-041/D5283-7 Clamp on the Aft Crosstube and the D5283-043/D5283-11 Clamp on the Fwd Crosstube using the supplied hardware at the locations shown in IIN-D119-756/IIN-D119-756-EASA. D2732-032 Rubber Cushions must be installed under each side of the clamps. See Figure 2.
- 4.4 Mount the D3517-1 Struts assembled on the basket to the D5287-1/D3156-11 Clevis mounted on the Skidtube saddles and secure using AN4-15A Bolts, NAS1149D0463J Washers (2) and MS21042L4 Nuts as shown in Figure 1.
NOTE: It is acceptable to install extra NAS1149D0463J Washers to take up gaps between D3517-1 Strut and D5287-1/D3516-11 Clevis, as required.

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A	NEW ISSUE	DB	15.07.02	
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- 4.5 Pivot the Basket upwards and attach the qty (2) D3518-041 Strut Assemblies to the D5283-041/043 Clamps using AN4-13A Bolts, D2617-3 Bushing, D2617-5 Bushings (2), NAS1149D0463J Washers (2) and MS21042L4 Nuts for each Strut. See Figure 2.
- 4.6 Torque nuts on all AN4 Bolts to 50-70 in-lbs (5.5-8.0 Nm). CAUTION: Over-torquing could lead to damage of the clamps.

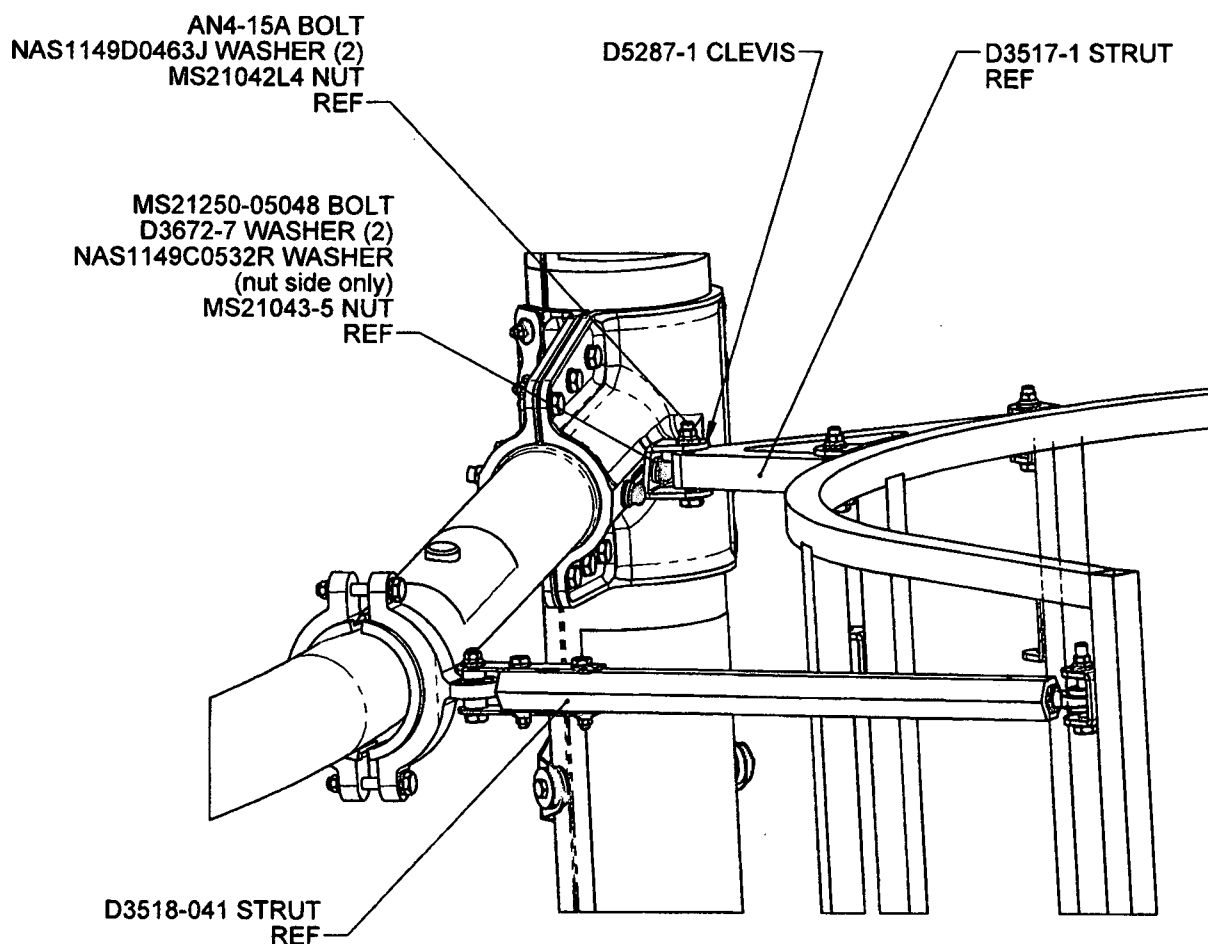


FIGURE 1: CLEVIS/STRUT INSTALLATION
(BASKET FEATURES REMOVED FOR CLARITY)

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5.0 INSTALLATION: DSI 9729-011 CLEVIS KIT

- 5.1 For installation of the D119-756-041 Heli-Utility-basket on the AW119 or the AW119 MKII equipped with OEM crosstubes and Dart skidtubes, remove and retain the bottom MS21250-05048 bolt, NAS1149C0532R (2) washers, D3672-7 (2) phenolic washers and MS21043-5 nut on each saddle. Discard one NAS1149C0532R washer per saddle. **NOTE:** It is acceptable to install extra NAS1149D0463J Washers to take up gaps between D3517-1 Strut and D5287-1 Clevis, as required.
- 5.2 Install qty (2) D5287-1 Clevis using the retained fasteners as per Figure 1. Assemble with the D3672-7 phenolic washer between the Clevis and the Saddle.
- 5.3 Torque to 65-85 in-lbs (7.3-9.6 N-m)

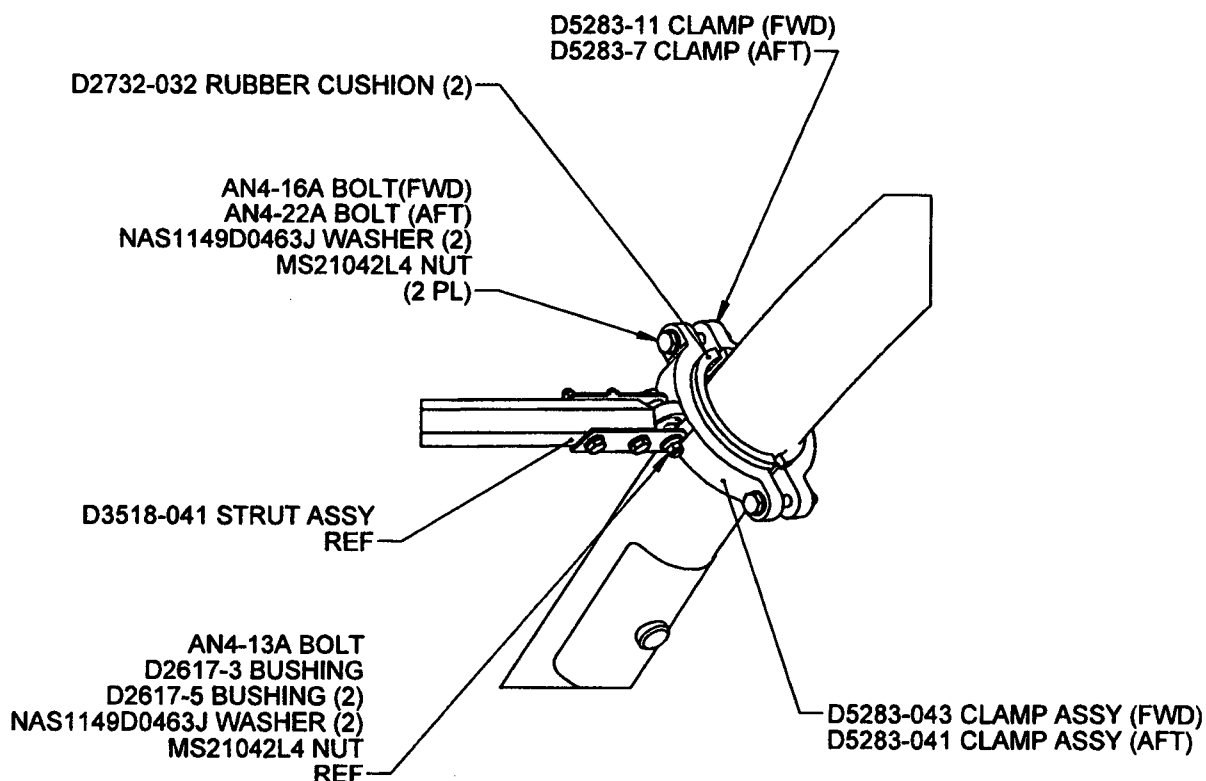


FIGURE 2: CLAMP INSTALLATION

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6.0 PARTS LIST:

QTY -111	PART NUMBER	DESCRIPTION
X	D119-756-111	CLAMP KIT
4	D2732-032	RUBBER CUSHION
1	D5283-7	CLAMP
1	D5283-11	CLAMP
1	D5283-041	CLAMP ASSY
1	D5283-043	CLAMP ASSY
2	D5287-1	CLEVIS
2	AN4-16A	BOLT
2	AN4-22A	BOLT
14	NAS1149D0463J	WASHER
4	MS21042L4	NUT

QTY- 011	PART NUMBER	DESCRIPTION
X	DSI 9729-011	CLEVIS KIT
2	D5287-1	CLEVIS

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